

AGGRESSIVE BEHAVIOR AND FOOD-BEGGING BY WILDLIFE IN YELLOWSTONE

A Summary of Incidents 2000-2005

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In March 2000, we produced a summary on this topic that covered the years 1963 through 1999.^{1,2} We here update that summary through 2005, using the same procedure and format described in the 2000 summary. We reviewed ranger-prepared Case Incident Reports (CIRs) to summarize 17 descriptive characteristics for each incident. Where blank spaces are shown in the attached tables, information on that characteristic was not included in the CIR. A few incidents from park press releases are included, as noted in the tables. Animals injured or killed on park roads and bear-human incidents are not included here, as they are periodically summarized by the park's Bear Management Office. Neither have we included records of the many traffic jams that occur annually, as visitors stop to view or photograph wildlife.

¹ Aggressive Behavior and Food Begging by Wildlife in Yellowstone. A Summary of Incidents, 1963 – 1999, March 17, 2000. 58 pp.

² This summary was adapted and published as: Olliff, T. and J. Caslick. 2003. Wildlife-human conflicts in Yellowstone. Yellowstone Science 11(1):18-22.



Since assigning the title to our first report, we have become convinced that a more appropriate title would have been *Defensive Behavior and Food-Begging by Wildlife in Yellowstone*, because these incidents are so often provoked by human behavior, when we too closely approach wildlife or otherwise act in ways that seem to threaten wild animals or their young. In a much smaller number of incidents, usually during their breeding seasons, male bison and elk may seem to initiate aggressive behaviors toward humans. However, even many of these incidents may be viewed as defensive behaviors, when these animals protect their breeding territories and/or females.

Food-begging, if rewarded, has sometimes been followed by more aggressive animal behavior, particularly by coyotes.

Brief descriptions of some 2000-2005 incidents follow. See the attached tables for additional details, and other incidents.

Bighorn Sheep

Although bighorns may block traffic and appear to be highly tolerant of humans, bighorn rams charged vehicles in Gardner Canyon in 1980 and 1982, inflicting minor damage to the vehicles. "Sheep jams" have continued, but there were no reported vehicle charges by rams during 2000-2005. There was one incident when a visitor disturbed bighorns by approaching too closely for photographs, and was fined.

Bison

Yellowstone Park visitors continue to be injured more often by bison than by any other wild animal. In the 5 years prior to this reporting period, 15 humans were charged by bison. During this 5-year reporting period, bison charged 13 times as follows:

<u>Year</u>	<u># Charged</u>
2000	1
2001	2
2002	4
2003	2
2004	1
2005	3

In 10 of these charges, contact was made and all 10 people were injured (7 men, 3 women). There were no human fatalities.

Bison-inflicted injuries to humans during this reporting period 2000-2005 included:

- a) puncture wounds to thigh (3)
- b) puncture wound to face (1)
- c) cut finger and wrist abrasion (1)
- d) multiple abrasions (1); abrasions to back and thigh (1)
- e) scrapes and bruises (1); bruised shoulder (1).

One other woman reported back and neck pain after a bison knocked her into a tree and then bumped her a second time. Another woman was lifted into the air by a bison that did not toss her; she landed on her back but was not injured.

In those incidents that resulted in human injuries and the sex of the bison was reported, there were 3 bulls and 1 cow. Months and numbers of human injuries were: January (1), May (2), June (2), July (1), August (2), September (1), and October (1).

What were people doing just before being charged by bison? This was seldom reported by rangers; of those reported, 1 was standing on a sidewalk; 1 had jogged to and surrounded a bison on 3 sides with about 5 friends and then she started to run away; 1 had been watching a bison from 4-5 feet, then turned to walk away; 1 was in a group photographing a bison from 10-15 feet away; 3 were walking on trails in developed areas (2 after dark); and 1 man was walking his dog.

Bison "false charged" only twice during these 5 years; two fishermen near a hiking trail were charged from about 25 yards to within several feet; the bull bison then stopped, snorted, and shook his head, and charged again after one of the fishermen shouted and used an air horn. The bison then snorted again, stomped hooves, rolled on the ground, and left the area. In the second "false charge" incident, two 2 women hikers had stopped to rest when a bison of unreported sex came down the trail and charged them from about 50 yards away. One woman hit the bison in the face with bear spray, then the bison left. Neither woman was injured.

Immediately after inflicting injuries, bison resumed grazing in 5 of 9 incidents, and ran off after 1 incident. In another case, a bison of unreported sex briefly left after knocking a man to the ground, then pushing him around and stepping on his legs, but then it returned and again pushed the man around on the ground.

Property damage by bison was reported 3 times, twice in summer, once in winter. A motorcyclist who had stopped for a "bison jam" had his motorcycle damaged when a bison charged it and knocked it over. In another case, when visitors had stopped in the road to let a herd of bison pass, the bison stampeded and one jumped and broke the back window of their car. The winter incident occurred when park employees on a snowmobile tried to pass a herd of 27 bison in the road. A cow bison turned, hit the front of the snowmobile and went through and over the riders, striking one rider's leg, arm, head and shoulder.

Two photographers were fined for approaching bison too closely, about 10-30 feet.

Covotes

Fifty-four cases of coyote-human interactions were reported between 1990 and 1999, averaging 5.4 cases per year. This average remained very similar during 2000-2005, at 5 cases per year. Unlike the previous 10-year period, however, there was a sharp increase in the percentage of cases that involved intentional feeding of coyotes by visitors, an

increase from 18% to 70%. We can only speculate whether this increase reflected changes in coyote behavior, human behavior, increased law enforcement, or a combination of these or other factors.

Coyote injuries to humans (one man, one woman and 2 children) included scratches to an arm of a boy playing, a girl scratched from the back as she sat on a bench, a nipped buttock of a woman sitting at a picnic table, and nipped heels of a male employee as he climbed some steps.

During winters 2000-2005, there were 8 cases of coyote damage to snowmobile storage compartments, bags, seats and other food storage areas. In one case, a coyote also chewed and damaged the snowmobile's hand warmers. All cases occurred at Old Faithful. A variety of other coyote incidents included sandwich-snatching from behind, from a visitor who was not feeding it, and another incident when a coyote fought a Doberman dog for a hotdog. A woman skiing on Swan Lake Flats had a coyote lunge at her with bared teeth and ears laid back, but did not bite her.

Rangers shot and killed 3 coyotes for repeated involvement in food-begging incidents. Rangers attempted to discourage food-begging coyotes in 11 cases by chasing, shouting, shooting with BB guns or pepper spray, firing "cracker rounds", or some combination of these measures, all with very limited immediate success and no apparent long-term effectiveness.

Elk

Elk-human incidents increased sharply during this period. Only 15 incidents were reported between 1990 and 2000, but 60 incidents were reported between 2000 and 2005. Thirty-four incidents took place in the Mammoth area when humans were involved in a variety of activities including: camping (2); had stopped their vehicles to let elk cross the road when elk damaged their vehicles (3); were driving past an elk jam and had their vehicle damaged by elk (1); were parking their cars when their cars were damaged by elk (2); had parked to photograph elk when elk damaged their vehicles (3); were sitting in parked cars that were damaged by elk (2), or were approaching elk too closely on foot (7), usually to photograph elk. All damage to vehicles was done by bull elk.

A visitor on foot who had approached within 10 feet of a bull elk to photograph it at Mammoth was charged and struck by the elk. The man sustained cuts and bruises to head, hands and chest. Park rangers at Mammoth tranquilized a persistently aggressive elk, cut off its antlers, and transported it to the distant Yellowstone Lake area. Only two incidents occurred when cow elk chased visitors. One occurred in Grant Village; the elk came from nearby trees and chased a woman on a walkway. An elk calf was found hiding 15 feet from the walkway so the area was temporarily closed by rangers to safeguard both the calf and visitors. The other cow chased several people up a road bank after being disturbed by a visitor who shook a nearby tree.

Property damage other than vehicle damage caused by elk included 4 incidents when tents were damaged, all by bulls. Twenty eight fines were levied for disturbing or approaching elk too closely (as close as 6 feet), illegal use of elk calls, or spotlighting elk.

Moose

One incident of a photographer approaching to within 25 feet of a moose occurred on Swan Lake Flat. The moose appeared to be agitated but ran.

Red Fox

One incident occurred when a male employee at Old Faithful was putting garbage into a dumpster and a fox approached and hissed at him. It ran off after a ranger pepper-sprayed it, but returned later that day and did the same thing with another person.

Squirrel

One fine was levied for feeding a squirrel at Firehole Falls, and another fine was levied at the Madison Museum when a juvenile visitor attached a squirrel to a fishing line and reeled it in after letting the line out.

Raven

Feeding of ravens at 4 locations in the park resulted in 7 fines. The feeding of one raven at Steamboat Point resulted in 3 fines; within less than an hour it had been illegally tossed banana pieces, bread, and sunflower seeds.

One winter visitor reported damage to a foam-padded seat of his snowmobile; a ranger advised him that this raven behavior is common in Yellowstone.

Wolf

Only one wolf-human interaction was reported in our 1963-1999 summary. During 2002-2005, however, rangers filed reports on 8 such incidents, all in the Lamar/Specimen Ridge Trailhead area. There were no human injuries although wolves approached to within 10 feet of humans watching and filming them from their vehicles in a parking lot. A ranger fired 6 "cracker rounds" to get them to leave the area. In another encounter, an adult male wolf approached to within 70 feet of a photographer before a ranger shouted, clapped hands, and moved aggressively toward it; then it trotted away. Two fines were levied to photographers for being within an area closed to protect wolves, and a visitor was arrested for harassing a wolf pack.

Other Animals

Single incidents with bighorn sheep, pronghorn, deer, porcupine, owl, and trumpeter swan occurred during 2000-2005. The following tables provide further details on these

and other cases. In contrast to our 1963-1999 summary, there were no CIRs filed on mountain lions, raccoons, or pine martens during 2000-2005.



BISON

Year 2000	Bison 1 #00-2747			
Day	191			
Time of day	10:45 a.m.			
Location area	Old Faithful near Visitor Center			
Human activity	Standing on sidewalk			
# of people				
Distance to animal				
Contact made?	Yes			
Extent of injury	Gored in upper thigh, deep injury, may have cracked a bone and nicked an artery			
Human gender	Male			
Human age class	Adult			
Human category	Visitor			
Animal sex	Bull bison			
Animal age class	Adult			
Animal behavior	Running along sidewalk			
Animal reaction after incident				
NPS Management action				

BISON

Year 2001	Bison 1 #01-2039	Bison 2 #01-3331	Bison 3 #01-3808	
Day	144	192	251	
Time of day	11:00 p.m.	8:35 a.m.	Noon	
Location area	West Entrance road	Lake Lodge area	Bridge Bay Campground D loop	
Human activity	2 stopped vehicles waiting for bison to pass; 3 rd vehicle revved its engine, driver yelled, laughed, caused bison to stampede	Group of friends jogged to & surrounded a bison on 3 sides	Watching a bison then turned to walk away	
# of people		4-5	1	
Distance to animal			4-5 ft.	
Contact made?		Yes	Yes	
Extent of injury		Abrasion on back in flank area	None	
Human gender	Male	Female	Female	
Human age class	Adult	Adult	Adult	
Human category	Visitor	Visitor	Visitor	
Animal sex				
Animal age class				
Animal behavior	Bison group stampeded, one jumped & broke back window of a car	Grazing, when surrounded moved in victim's direction; when she ran, bison butted & knocked her to the ground	Did not toss victim into the air but lifted her & she landed on her back	
Animal reaction after incident		Moved away, continued grazing	Lying down when photographed by ranger at 1:30 p.m.	
NPS Management action	Vehicle driver fined by ranger	Emergency medical care		

BISON

Year 2002	Bison 1 #02-0132	Bison 2 #02-4202	Bison 3 NPS press release	Bison 4 NPS press release
Day	4	155	179	194
Time of day	7:20 p.m.	11:00 a.m.	8:00 p.m.	1:30 p.m.
Location area	Gibbon Canyon south of Falls	Roaring Mountain	Near Old Faithful Inn	Near Old Faithful Lodge
Human activity	Snowmobile trying to pass 27 bison	Motorcyclist stopped for "bison jam"	Walking on path between store & Inn	People photographing bison
# of people	2	1	1	Group
Distance to animal			About 3 ft.	10-15 ft.
Contact made?	Yes	Yes	Yes	Yes
Extent of injury	1 man reported bruised & stiff shoulder	Bison hit & damaged motorcycle	One 2 inch puncture to inner right thigh	puncture on inner thigh, scrapes & bruises
Human gender	Males	Male	Male	Male
Human age class	Adults	Adult	Adult	Adult
Human category	NPS employees	Visitor	Visitor	Visitor
Animal sex	Cow bison	Bull bison	Bull bison	Bull bison
Animal age class	Adult	Adult		Adult
Animal behavior	Turned, hit snowmobile front, went through & over riders	Charged into front of motorcycle knocking it over	Lowered its head, threw the man in the air and off the path	Grazing near boardwalk, then chased & threw man about 3-4 ft. into the air
Animal reaction after incident	Struck rider's leg, arm, head, shoulder, then ran off	Ran off after the incident	Resumed grazing	Resumed grazing
NPS Management action			Emergency medical care for man; no action taken against bison	Emergency medical care for man; no action taken against bison

BISON

Year 2002	Bison 5 #02-6420	Bison 6 #02-6383		
Day	204	200		
Time of day	5:00 p.m.	8:55 p.m.		
Location area	Lake Hotel	Fishing Bridge Junction, Grand Loop Road		
Human activity	Taking pictures	Taking pictures		
# of people	1	2		
Distance to animal	About 30 ft.	About 10 ft.		
Contact made?	No	No		
Extent of injury	None	None		
Human gender	Male	Male		
Human age class	Adult	Adult		
Human category	Visitor	Visitors		
Animal sex	Bull bison			
Animal age class	Adult			
Animal behavior				
Animal reaction after incident				
NPS Management action	Fined \$50.00	Fined \$50.00		

BISON

Year 2003	Bison 1 #03-4517	Bison 2 #03-4517		
Day	133	143		
Time of day	4:30 a.m.	9:00 a.m.		
Location area	Old Faithful, Zipper Cr. footbridge	Old Faithful, Columbine Dorm area		
Human activity	Walking, no flashlight	Walking		
# of people	1	1		
Distance to animal				
Contact made?	Yes	Yes		
Extent of injury	Multiple abrasions, not gored	Back & neck pain		
Human gender	Male	Female		
Human age class	Adult	Adult		
Human category	Concession employee	Concession employee		
Animal sex				
Animal age class				
Animal behavior	Knocked man to the ground, pushed & stepped on his legs	Knocked woman into a tree, then bumped her a second time		
Animal reaction after incident	Left but returned & again pushed him around			
NPS Management action	Man ambulated to W. Yellowstone; no suspect bison identified	Woman ambulated to W. Yellowstone; 1 bull bison & several cows & calves in the area		

BISON

Year 2004	Bison 1 No CIR (info. From Oct/Nov "Buffalo Chip")			
Day	280			
Time of day	11:20 p.m.			
Location area				
Human activity	Walking to dorm			
# of people	1			
Distance to animal				
Contact made?	Yes			
Extent of injury	2 ½ inch puncture wound in face			
Human gender	Male			
Human age class	Adult			
Human category	Concession employee			
Animal sex				
Animal age class	Victim did not see the animal			
Animal behavior				
Animal reaction after incident				
NPS Management action				

BISON

Year 2005	Bison 1 #05-1791	Bison 2 #05-1960	Bison 3 #05-5707	
Day	152	159	168	
Time of day	7:30 p.m.	10:30 a.m.	6:30 p.m.	
Location area	Old Faithful	Rescue Creek Trail	Midway Geyser Basin	
Human activity	Walking his dog	Stopped to rest	Fishing near trail	
# of people	1	2	2	
Distance to animal			About 25 yards	
Contact made?	Yes	No	No	
Extent of injury	Cut finger, wrist soft-tissue abrasion	None	None	
Human gender	Male	Females	Male/female	
Human age class	Adult	Adults	Adults	
Human category	Visitor	Visitors	Visitors	
Animal sex			Bull bison	
Animal age class		Adult	Mature	
Animal behavior	Bison charged him	Bison came down the trail, charged from 50 yards	Bison charged the man to within several feet; bison, stopped, snorted shook head, charged again after man yelled, used air horn	
Animal reaction after incident		Left after being hit in the face with bear spray	Bison snorted, stomped hooves, rolled on the ground; then crossed the river	
NPS Management action	Ranger examined victim's injuries, victim cared for his wounds			



COYOTE

Year 1999	Coyote 1 #99-3097	Coyote 2 #99-3097	Coyote 3 #99-3097	
Day	200	201	208	
Time of day	4:05 p.m.	4:30 p.m.		
Location area	Virginia Cascades picnic area	Virginia Cascades picnic area	Virginia Cascades picnic area	
Human activity	Playing with a ball	People picnicking & watching coyote	Park maintenance people report coyote grabbing garbage for several days	
# of people	3	Several		
Distance to animal				
Contact made?	No	No	No	
Extent of injury	None	None	None	
Human gender	2 females, 1 male			
Human age class	1 adult, 2 children			
Human category	Visitors	Visitors		
Animal sex				
Animal age class	Adult	Adult	Adult	
Animal behavior	Begging coyote grabbed ball, ran off with it, tried to eat it	Begging coyote a continuing problem	Coyote a persistent problem	
Animal reaction after incident	Stayed around about 15 min., then left		Coyote remained in area even though previously shot & hit by BB gun fired by rangers	
NPS Management action		Two rangers could not get close enough to use bear spray; shot & hit coyote with BB gun. After 15 min., coyote left		

COYOTE

Year 2000	Coyote 1 #00-0301	Coyote 2 #00-4552	Coyote 3 #00-6354	Coyote 4 #00-6541
Day	38	231	274	351
Time of day	2:30 p.m.	2:12 p.m.	4:08 p.m.	10:00 a.m.
Location area	Phantom Lake	Blowdown Hill Norris/Canyon road	Old Faithful east parking lot	Old Faithful Snowlodge
Human activity	Tossed chips to coyote on roadside	Feeding coyote potato chips	Feeding coyote a sandwich	Carrying garbage to dumpster
# of people	1	1	2	1
Distance to animal				
Contact made?	No	No	No	Yes
Extent of injury	None	None	None	None
Human gender	Male	Male	Males	Male
Human age class	Adult	Adult	1 adult, 1 child	Adult
Human category	Delivery van driver	Visitor	Visitors	AmFac employee
Animal sex				
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Eating chips tossed to it	Eating potato chips tossed to it	Eating sandwich tossed to it	Followed the man upstairs & nipped his heels
Animal reaction after incident				Ran off reluctantly, no fear of humans
NPS Management action	\$100.00 fine for feeding wildlife	\$50.00 fine for feeding wildlife	\$50.00 fine for feeding wildlife & verbal warning	

COYOTE

Year 2000	Coyote 5 #00-5821	Coyote 6 #00-0044	Coyote 7 #00-6585	Coyote 8 #00-0122
Day	Several days between May 20 & Oct. 18	365	347	18
Time of day	Most often in late afternoons.	9:00 a.m.	12:00 noon	6:45 p.m.
Location area	Old Faithful developed area	Old Faithful Visitor Center parking lot	Old Faithful Visitor Center parking lot	Old Faithful Snowlodge
Human activity	Sometimes fed the coyote.	Watching a coyote that was on a snowmobile	Sitting on benches in front of Old Faithful	
# of people	Several, on several days		Several	1
Distance to animal	Within several feet; once within 10 ft. of ranger		Within a foot	
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male			Male
Human age class	Adult	Adult	Adults & children	Adult
Human category	Visitors	Visitor	Visitors	AmFac employee
Animal sex	Male, as specified by ranger			
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Frequented the parking lots	Searching for food	Wanting to be fed	Destroyed snowmobile storage compartment and seat
Animal reaction after incident	Pepper-sprayed by rangers, coyote backed off but did not leave the area	Left the area	Chased away several times but returned shortly	
NPS Management action	Pepper-sprayed at least 4 times by rangers. Two violation notices for feeding the coyote	Park ranger chased coyote away	Park ranger chased coyote away 4 times.	

COYOTE

Year 2000	Coyote 9 #00-0128			
Day	20			
Time of day				
Location area	Old Faithful Snowlodge			
Human activity				
# of people	1			
Distance to animal				
Contact made?	No			
Extent of injury	None			
Human gender	Male			
Human age class	Adult			
Human category	AmFac employee			
Animal sex				
Animal age class	Adult			
Animal behavior	Destroyed seat & storage compartment of snowmobile			
Animal reaction after incident				
NPS Management action				

COYOTE

Year 2001	Coyote 1 #01-0281	Coyote 2 #01-0274	Coyotes3 #01-0547	Coyote 4 #01-0449
Day	33	32	43	50
Time of day	7:00 p.m.	7:00 p.m.	10:00 a.m.	3:30 p.m.
Location area	Snowlodge, Old Faithful	Snowlodge, Old Faithful	Old Faithful, upper Ham Store parking area	Swan Lake Flats
Human activity				Skiing
# of people				1
Distance to animal				10 ft.
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male	Male		Female
Human age class	Adult	Adult	Adult	Adult
Human category	Visitor	Visitor	AmFac employee	AmFac employee
Animal sex				
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Damaged snowmobile seat	Damaged snowmobile seat and trunk area	Snowmobile seat & rear storage area torn, padding pulled out	Very aggressive, lunged as if to bite, teeth bared, ears laid back
Animal reaction after incident			Coyote tracks around snowmobile	Stopped attack, slowly walked away, kept watching her
NPS Management action				

COYOTE

Year 2001	Coyote 5 #01-5081	Coyote 6 #01-0096	Coyote 7 #01-0405	Coyote 8 #01-0347
Day	203	13	48	43
Time of day		2:22 p.m.	3:00 p.m.	9:00 a.m.
Location area	Blacktail Ponds	Not stated	Pebble Creek campground	Snowlodge, Old Faithful
Human activity	Feeding coyote	Feeding coyote	Feeding coyote cookies	
# of people	1	1	2	2
Distance to animal				
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male	Female	Male/female	Male/female
Human age class	Adult	Adult	Adults	Adults
Human category	Visitor	Visitor	Visitors	Visitors
Animal sex				
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Eating food tossed from vehicle	Eating an apple tossed from vehicle	Eating cookies tossed to it	Destroyed rear section of snowmobile seat
Animal reaction after incident				
NPS Management action	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine & verbal warning not to feed wildlife	

COYOTE

Year 2001	Coyote 9 #01-0103	Coyote 10 #01-0897	Coyote 11 #01-4183	Coyote 12 #01-4389
Day	55	124	306	343
Time of day	12:35 p.m.	12:55 p.m.	2:08 p.m.	12:45 p.m.
Location area	Crystal Creek area	Old Faithful developed area	Steamboat Point	East of Lamar River Bridge
Human activity	Feeding coyote	Feeding a raven and coyote	Photographing and feeding coyote	Feeding coyote
# of people	1	1	1	2
Distance to animal				20 ft. or less
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male	Male	Male	Males
Human age class	Adult	Adult	Adult	1 adult, 1 child
Human category	Visitor	Visitor	Visitor	Visitors
Animal sex				
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Eating deer jerky tossed from vehicle	Raven & coyote eating chicken scraps tossed from vehicle	Eating a rib bone tossed to it	Eating a pop tart tossed from vehicle
Animal reaction after incident				
NPS Management action	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine. Park ranger tried to scare coyote by yelling, pepper spray. Coyote stayed 40-50 ft. of road shoulder, showing no fear.

COYOTE

Year 2002	Coyote 1 #02-0263	Coyote 2 #02-6702	Coyote 3 #02-6955	Coyote 4 #02-6990
Day	20	234	269	281
Time of day	4:15 p.m.	9:00 a.m.	4:15 p.m.	3:00 p.m.
Location area	Old Faithful developed area	3 pullouts north of LeHardy Rapids	Nez Perce picnic area	Mud Volcano
Human activity	Watching a coyote tear into a snowmobile dashpod bag	Playing on Yellowstone River bank	Eating lunch	Sitting on a bench
# of people	1	1	1	1
Distance to animal				
Contact made?	No	Yes	Yes	Yes
Extent of injury	None	1-2 inch scratches on forearm	3-4 inch red mark, no broken skin	2-3 inch red mark
Human gender	Male	Male	Female	Female
Human age class	Adult	2 year old child	Adult	11 years old
Human category	Visitor	Visitor	Visitor	Visitor
Animal sex				
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Ripped open a bag on a snowmobile, ate something, then went to another snowmobile and got on the seat	Ran to and bit the child	Came from behind and nipped her left buttock	Came from behind and scratched her
Animal reaction after incident		Ran away when hollered at by boy's mother	Ran a short distance but remained & jumped onto picnic table as visitors were leaving	Left after being hollered at
NPS Management action				

COYOTE

Year 2002	Coyote 5 #02-6976	Coyote 6 #02-6985	Coyote 7 #02-7014	Coyote 8 #02-7016
Day	282	285	292	292
Time of day	5:45 p.m.	1:00 p.m.	2:30 p.m.	3:30 p.m.
Location area	West Thumb Geyser Basin	West Thumb Geyser Basin	No name road	Hard Road to Travel
Human activity	Sitting in cars watching coyote	Sitting in cars watching coyote	Sitting in cars watching coyote	Sitting in cars watching coyote
# of people	Several	Several	Several	Several
Distance to animal	8-10 ft.	10 ft.	10 ft.	10 ft.
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender				
Human age class	Adults	Adults	Adults	Adults
Human category	Visitors	Visitors	Visitors	Visitors
Animal sex				
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Aggressive	"begging behavior", avoided ranger patrol vehicle	"begging behavior"	"begging behavior", was limping
Animal reaction after incident		Moved away from people		
NPS Management action	1 "cracker round" fired at coyote	2 "cracker rounds" fired at coyote	1 "cracker" fired at coyote	1 "cracker round" fired at coyote

COYOTE

Year 2002	Coyote 9 #02-5569	Coyote 10 #02-5561	Coyote 11 #02-5635	Coyote 12 #02-5571
Day	286	285	294	286
Time of day	4:00 p.m.	2:42 p.m.	4:13 p.m.	5:27 p.m.
Location area	Wildlife Exhibit on West Entrance road	3 miles south of Madison Junction	Old Faithful Visitor Center parking lot	West Entrance road, 2 nd pullout
Human activity	Feeding coyote	Feeding coyote	Feeding coyote	Feeding coyote
# of people	1	1	1	1
Distance to animal			A few feet	
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Female	Male	Male	Male
Human age class	Adult	Adult	Adult	Juvenile
Human category	Visitor	Visitor	Visitor	Visitor
Animal sex				
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Eating cheese sandwich tossed to it	Eating food tossed to it	Eating food tossed to it	Eating licorice tossed to it
Animal reaction after incident			Followed the visitor to his car	
NPS Management action	\$50.00 fine for feeding wildlife	\$50.00 fine for feeding wildlife; also a verbal warning	\$50.00 fine for feeding wildlife	\$50.00 fine & verbal warning not to feed wildlife

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COYOTE

Year 2002	Coyote 13 #02-6968	Coyote 14 #02-5641		
Day	280	294		
Time of day	10:53 a.m.	3:17 p.m.		
Location area	Sedge Bay	Gibbon River bridge		
Human activity	Feeding coyote	Feeding coyote		
# of people	1	1		
Distance to animal				
Contact made?	No	No		
Extent of injury	None	None		
Human gender	Male	Male		
Human age class	Adult	Adult		
Human category	Visitor	Visitor		
Animal sex				
Animal age class	Adult	Adult		
Animal behavior	Eating beef jerky tossed to it	Eating Cheetos tossed to it		
Animal reaction after incident				
NPS Management action	\$50.00 fine for feeding wildlife	\$50.00 fine & verbal warning not to feed wildlife		

COYOTE

Year 2003	Coyote 1 #03-6286	Coyote 2 #03-5556	Coyote 3 #03-5859	Coyote 4 #03-0113
Day	357	233	274	8
Time of day	4:28 p.m.	8:27 p.m.	3:58 p.m.	4:30 p.m.
Location area	Lamar River Trailhead	Old Faithful east parking lot	Old Faithful east parking lot	Old Faithful Snowlodge
Human activity	Feeding coyote	Feeding coyote	Feeding coyote	Saw damage to snowmobile seat & hand warmers
# of people	1	1	1	1
Distance to animal				
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Female	Male	Male	Male
Human age class	Adult	Adult	Adult	Adult
Human category	Visitor	Visitor	Visitor	Visitor
Animal sex				
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Eating a doughnut tossed to it	Eating food tossed to it	Eating food tossed to it	Chewed and damaged the seat and hand warmers
Animal reaction after incident				
NPS Management action	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine & verbal warning not to feed wildlife	

COYOTE

Year 2003	Coyote 5 #03-0065	Coyote 6 #03-0275	Coyote 7 #03-0435	Coyote 8 #03-0431
Day	4	23	40	40
Time of day	4:00 p.m.	2:30 p.m.	10:30 a.m.	3:40 p.m.
Location area	West Thumb Geyser Basin	Gibbon Falls vicinity	Madison warming hut parking area	Madison Hill
Human activity	Feeding coyote	Feeding coyote	Watching coyote	Snowmobilers watching coyote
# of people			Many snowmobilers & snowcoach passengers	5
Distance to animal			4-5 ft.	
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender		Male		Males
Human age class		Adult		Adults
Human category		Visitor	Visitors	Visitors
Animal sex				
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Aggressive behavior after being fed	Eating granola bar tossed to it	Begging for food	Eating a cookie tossed to it
Animal reaction after incident	Ran away after ranger fired 1 "cracker round"		Remained in the area, not afraid of people	
NPS Management action	1 "cracker round" fired at coyote	\$50.00 fine & verbal warning not to feed wildlife	Bear spray, firecrackers, "cracker round" not effective	\$50.00 fine for feeding wildlife

COYOTE

Year 2003	Coyote 9 #03-1169	Coyote 10 #03-4439	Coyote 11 #03-4484	Coyote 12 #03-4586
Day	119	127	138	150
Time of day	4:56 p.m.	4:15 p.m.	3:25 p.m.	6:56 p.m.
Location area	Old Faithful east parking lot	Old Faithful parking lot	South of Gibbon Falls picnic area	Old Faithful parking lot
Human activity	Feeding coyote	Feeding coyote	Feeding coyote	Feeding coyote
# of people	1	1	1	1
Distance to animal				
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Female	Male	Female	Male
Human age class	Adult	Adult	Adult	Adult
Human category	Visitor	Visitor	Visitor	Visitor
Animal sex				
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Eating chicken pieces tossed to it	Eating food tossed to it	Eating chips tossed to it	Eating beef jerky tossed to it
Animal reaction after incident				
NPS Management action	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine & verbal warning not to feed wildlife

COYOTE

Year 2003	Coyote 13 #03-5477	Coyote 14 #03-5472		
Day	227	226		
Time of day	00:50 a.m.	11:50 a.m.		
Location area	Old Faithful Laurel Dorm	Old Faithful Laurel Dorm		
Human activity	Feeding coyote	Feeding coyote to get a picture of it		
# of people	2	1		
Distance to animal				
Contact made?	No	No		
Extent of injury	None	None		
Human gender	Males	Male		
Human age class	Adults	Adult		
Human category	Employees	Employee		
Animal sex				
Animal age class	Adult	Adult		
Animal behavior	Eating food tossed to it	Eating food tossed to it		
Animal reaction after incident				
NPS Management action	\$50.00 fine & verbal warning not to feed wildlife	\$50.00 fine & verbal warning not to feed wildlife		

COYOTE

Year 2004	Coyote 1 #04-6718	Coyote 2 #04-7011	Coyote 3 #04-6928	Coyote 4 #04-2010
Day	286	310	303	167
Time of day	12:15 p.m.	2:40 p.m.	6:50 p.m.	12:00 noon
Location area	Fountain Paint Pots parking area	Fountain Paint Pots parking area	Mary Mountain Trailhead	Gibbon Falls
Human activity	Eating in her car and giving food to a coyote			Ranger shot coyote
# of people	1			
Distance to animal				
Contact made?	No			
Extent of injury	None			
Human gender	Female			
Human age class	Adult			
Human category	Visitor			
Animal sex				
Animal age class	Adult			
Animal behavior	Eating a muffin tossed to it	Approached 4 cars, circled them, followed visitors to boardwalk and followed them back to their cars	6 documented incidents of hazing an habituated coyote (Sept. 3-Oct. 29), being fed by visitors	Coyote had 18 month record of being fed by visitors since winter 2002-03. Firecrackers, bear spray and rocks did not discourage food begging activity
Animal reaction after incident				
NPS Management action	\$50.00 fine for feeding wildlife	Coyote dispatched by rangers	Coyote dispatched by rangers	Rangers shot coyote- carcass appeared healthy

COYOTE

Year 2004	Coyote 5 #04-1389	Coyote 6 #04-0301		
Day	147	41		
Time of day	11:44 a.m.	5:00 p.m.		
Location area	Gibbon Falls	Lamar Buffalo Ranch		
Human activity	2 bread slices thrown to coyote	Approached coyote		
# of people	1	6		
Distance to animal		Within 1-2 meters		
Contact made?	No	No		
Extent of injury	None	None		
Human gender	Male			
Human age class	Adult	Adults		
Human category	Visitor	Visitors		
Animal sex				
Animal age class	Adult	Adult		
Animal behavior	Coyote ate the bread			
Animal reaction after incident				
NPS Management action	\$50.00 fine for feeding wildlife	\$50.00 fine for feeding wildlife		

COYOTE

Year 2005	Coyote 1 #05-2036			
Day	164			
Time of day	9:36 a.m.			
Location area	Near Soda Butte formation			
Human activity	Disturbing coyote pups			
# of people	Several			
Distance to animal				
Contact made?	No			
Extent of injury	None			
Human gender				
Human age class				
Human category				
Animal sex				
Animal age class	Coyote pups			
Animal behavior	Disturbed			
Animal reaction after incident				
NPS Management action	Ranger gave verbal command to argumentative visitor to leave then discussed with him disturbance regulations			

ELK

Year 1999	Elk 1 #99-5781	Elk 2 #99-6339		
Day	260	281		
Time of day		10:00 a.m.		
Location area	Mammoth campground	Mammoth Visitor Center		
Human activity	Camping	Truck driver stopped to let elk cross the road		
# of people	1	1		
Distance to animal		10 ft.		
Contact made?	No	No		
Extent of injury	None	None		
Human gender	Male	Male		
Human age class	Adult	Adult		
Human category	Visitor	Employee		
Animal sex	Bull elk	Bull elk		
Animal age class	Adult	Adult		
Animal behavior	Visitor witness said an elk damaged the tent; occupant not available for comment	Bull elk charged & struck truck damaging passenger door & extra cab		
Animal reaction after incident				
NPS Management action				

ELK

Year 2000	Elk 1 #00-7247	Elk 2 #00-0002	Elk 3 #00-1816	Elk 4 #00-4768
Day	284	1	198	240
Time of day	9:30 a.m.	2:18 a.m.	4:45 p.m.	4:23 p.m.
Location area	Mammoth Campground #12	Stevens Creek road	Elk Park, Grand Loop road	Near North Twin Lakes
Human activity	Using a cow elk call	Spotlighting a bull elk	Approaching too closely to some elk	Approaching too close to elk
# of people	1	1	1	1
Distance to animal			10 ft.	10 ft.
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male	Male	Male	Female
Human age class	Adult	Adult	Adult	Adult
Human category	Visitor	Visitor	Visitor	Visitor
Animal sex				
Animal age class				
Animal behavior				
Animal reaction after incident				
NPS Management action	\$100.00 fine for illegal use of cow elk call	\$100.00 fine for illegally spotlighting wildlife	\$50.00 fine for approaching/ disturbing wildlife	\$50.00 fine for approaching/ disturbing wildlife

ELK

Year 2000	Elk 5 #00-5475	Elk 6 #00-7140	Elk 7 #00-7158	Elk 8 #00-7168
Day	251	265	268	269
Time of day	11:02 a.m.	2:00 p.m.	6:30 p.m.	8:00 a.m.
Location area	Talus Cliffs pullout	Antelope Creek bear mgmt. closure	Main Officer's Row, Mammoth	Behind Mammoth Visitor Center
Human activity	Approaching elk too closely	Using a bugle to call elk	Sitting in vehicle	Stopped vehicle to let elk cross the road
# of people	1	2	1	1
Distance to animal	6 ft.			
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male	Males	Male	Male
Human age class	Adult	Adults	Adult	Adult
Human category	Visitor	Visitors	Visitor	Visitor
Animal sex			Bull elk	Bull elk
Animal age class			Adult	Adult
Animal behavior			Charged vehicle	Charged and damaged vehicle
Animal reaction after incident				
NPS Management action	\$50.00 fine for approaching too closely to wildlife; also verbal warning	\$100.00 fine for using a bugle to illegally call elk		

ELK

Year 2000	Elk 9 #00-7170	Elk 10 #00-7171	Elk 11 #00-7172	Elk 12 #00-5651
Day	269	269	269	268
Time of day	6:30 p.m.	8:10 a.m.	8:30 a.m.	5:00 p.m.
Location area	Visitor Center, Mammoth	Visitor Center, Mammoth	Mammoth Visitor Center	Driving into the Mammoth area
Human activity	Parked to photograph elk	Driving by the Visitor Center	Driving by Visitor Center	Stopped to watch elk
# of people	2	1	1	2
Distance to animal				
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male/female	Female	Males	Males
Human age class	Adults	Adult	Adults	Adults
Human category	Visitors	Visitor	NPS employee	Visitors
Animal sex	Bull elk	Bull elk	Bull elk	Bull elk
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Charged and damaged vehicle	Watched then charged, struck & damaged truck	Charged, struck and damaged vehicle	Charged, struck & damaged vehicle
Animal reaction after incident				
NPS Management action				

ELK

Year 2000	Elk 13 #00-7176		Elk 14 #00-4912	Elk 15 #00-5559
Day	269		249	260
Time of day	2:30 p.m.		9:30 a.m.	3:30 a.m.
Location area	Mammoth		Hamilton Store Nature Shop, Mammoth	Norris Campground site A-6
Human activity			Photographing elk	Sleeping in tent
# of people			2	2
Distance to animal				
Contact made?			No	No
Extent of injury			None	None
Human gender			Male/female	Male/female
Human age class			Adults	Adults
Human category			Visitors	Visitors
Animal sex			Bull elk	Bull elk
Animal age class			Adult	Adult
Animal behavior			Vehicle separated the bull from his harem, became agitated, charged & damaged vehicle	Attacked tent, ripping it on both sides
Animal reaction after incident			Returned to his harem but continued to watch vehicle	Elk left after 7-10 minutes
NPS Management action	Superintendent Mike Finley directed mitigating action be taken because of potential hazard to humans & property.	Rangers sedated elk, ear tagged it for identification and removed it to the Lake area		

ELK

Year 2000	Elk 16 #00-5764	Elk 17 #00-7207	Elk 18 #00-7208	Elk 19 #00-7262
Day	268	272	272	279
Time of day	9:00 a.m.	6:45 a.m.	7:15 a.m.	5:15 p.m..
Location area	Officer's Row frontage, Mammoth	Lower Mammoth	Little People's Learning Center, Mammoth	Lower Mammoth Residence 87
Human activity	Stopped to let elk cross the road	Parking vehicle		
# of people	1	1	1	
Distance to animal				
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male	Male	Male	
Human age class	Adult	Adult	Adult	
Human category	Visitor	NPS employee	Truck driver	
Animal sex	Bull elk	Bull elk	Bull elk	Bull elk
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Bull crossed the road with his harem, then turned, charged , hit & damaged vehicle	Charged and struck vehicle causing minor damage	Charged & struck truck as it was backing into a parking space	Two bull elk fighting near truck. When they broke apart, one raked the truck with its antlers. Both run off by a third bull
Animal reaction after incident		Remained in the area		
NPS Management action				

ELK

Year 2001	Elk 1 #01-1430	Elk 2 #01-1723	Elk 3 #01-2748	Elk 4 #01-5976
Day	162	183	224	251
Time of day	3:10 p.m.	3:30 p.m.	2:29 p.m.	7:40 a.m.
Location area	Frying Pan Spring, road shoulder	Clearwater Springs	Madison picnic area	Mammoth Campground #31
Human activity	Disturbing elk by shaking a tree	Disturbing bedded cow elk	Approached & disturbed a cow elk	Feeding a cow elk grass
# of people	Several	1	1	1
Distance to animal	Very close	"30 meters"		
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender		Male	Female	Female
Human age class	Visitors	Adult	Adult	Adult
Human category		Visitor	Visitor	Visitor
Animal sex	Cow elk	Cow elk	Cow elk	Cow elk
Animal age class	Adult	Adult	Adult	Adult
Animal behavior	Disturbed elk chased the people up the road bank	Jumped to its feet		Eating grass held by the visitor
Animal reaction after incident				
NPS Management action	Traffic congestion & road construction hindered pursuit	\$50.00 fine and verbal warning not to disturb wildlife	\$50.00 fine for disturbing wildlife	\$50.00 fine

ELK

Year 2002	Elk 1 #02-3624	Elk 2 #02-0795	Elk 3 #02-4157	Elk 4 #02-4302
Day	278	67	149	170
Time of day	12:00 noon	10:25 a.m.	9:50 p.m.	1:50 p.m.
Location area	Upper Mammoth housing area	East of Mt. Haynes	West Entrance road	Grant Village entrance road
Human activity	Disturbing elk	Disturbing elk while on a snowmobile	Spot lighting elk	Approached too closely to elk
# of people	1	2	1	1
Distance to animal	5-10 ft.		5 yards	7 ft.
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male	Male	Male	Male
Human age class	Adult	Adult	Adult	Adult
Human category	Visitor	Visitors	Visitor	Visitor
Animal sex	Cow elk	Cow elk	Elk	Cow elk
Animal age class	Adults	Adult	Adults	Adult & calf
Animal behavior	Several elk disturbed	The frightened elk bounded off the road	Bedded down	Disturbed
Animal reaction after incident				
NPS Management action	Verbal warning for being too close for safety	\$50.00 fine for disturbing wildlife; also verbal warning	\$50.00 fine & verbal warning about spot lighting wildlife	\$50.00 fine & verbal warning about being too close & disturbing wildlife

ELK

Year 2002	Elk 5 #02-3132			
Day	240			
Time of day	6:52 p.m.			
Location area	Mammoth Clinic			
Human activity	Approaching an elk			
# of people	1			
Distance to animal				
Contact made?	No			
Extent of injury	None			
Human gender	Male			
Human age class	Adult			
Human category	Visitor			
Animal sex	Cow elk			
Animal age class	Adult			
Animal behavior	Disturbed			
Animal reaction after incident				
NPS Management action	\$50.00 fine for approaching/ disturbing wildlife			

ELK

Year 2003	Elk 1 #03-5928	Elk 2 #03-3015	Elk 3 03-1796	Elk 4 #03-1502
Day	283	256	180	108
Time of day	8:55 a.m.	2:30 p.m.	1:50 p.m.	9:30 a.m.
Location area	West Entrance road	Mammoth dorm area	Mammoth Clinic	Mammoth Administration Building
Human activity	Broke off a tree branch, struck tree trunk to get elk's attention for a photograph	Photographing elk	Disturbing elk	Aggressively disturbing elk
# of people	2	1	3	10
Distance to animal		20 yards		
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male/female	Male	Males	
Human age class	Adults	Adult	Juveniles	Adults
Human category	Visitors	Visitor	Visitors	Foreign visitors
Animal sex	Bull elk	Bull, cow & calf	6 cow elk	Cow elk
Animal age class	Adult	Adults & calf	Adults	Adult
Animal behavior	Ignored the commotion	Lying on grass	Disturbed by a thrown firecracker, jumped up, ran a short distance	Disturbed and moved away
Animal reaction after incident				
NPS Management action	\$50.00 fine, verbal warning for disturbing wildlife & destruction of natural resources	\$50.00 fine for disturbing wildlife	\$50.00 fine for disturbing wildlife	Non-verbally motioned visitors to move away from the elk. No English spoken by the visitors

ELK

Year 2003	Elk 5 #03-0414			
Day	40			
Time of day	6:45 p.m.			
Location area	Highway 191, Milepost 24			
Human activity	Spot lighting elk			
# of people	1			
Distance to animal				
Contact made?	No			
Extent of injury	None			
Human gender	Male			
Human age class	Adult			
Human category	Visitor			
Animal sex				
Animal age class				
Animal behavior				
Animal reaction after incident				
NPS Management action	\$100.00 fine for illegally spot lighting elk			

ELK

Year 2004	Elk 1 #04-5908	Elk 2 #04-5702	Elk 3 #04-5848	Elk 4 #04-6053
Day	257	251	257	265
Time of day	1:00 p.m.	7:00 p.m.	8:40 a.m.	7:30 a.m.
Location area	Residence near Mammoth Hot Springs Terraces	1/8 mile east of Mammoth junction	Mammoth Hotel	Upper Mammoth residence
Human activity	Parked vehicle	Driving slowly past an elk jam	Elk attack reported by witnesses	
# of people		1	2	
Distance to animal				
Contact made?	No	No	No	
Extent of injury	None	None	None	
Human gender	Female	Male	Male/female	
Human age class	Adult	Adult	Adults	
Human category	Visitor	Visitor	Visitors	
Animal sex	Bull elk	Bull elk	Bull elk	
Animal age class	Adult	Adult	Adult	
Animal behavior	Agitated elk seriously damaged passenger side of car	Agitated elk rammed right side of vehicle with its antlers	Agitated elk seriously damaged the vehicle	Persistent aggressive behavior
Animal reaction after incident				
NPS Management action				Rangers caught, sedated, ear tagged it #6, & cut off its antlers

ELK

Year 2004	Elk 5 #04-2227	Elk 6 #04-2375	Elk 7 #04-1656	Elk 8 #04-1399
Day	173	179	155	147
Time of day	7:00 a.m.	9:30 a.m.	5:00 p.m.	6:00 p.m.
Location area	Madison Campground	Madison Campground	Grant Village paved walkway	Blacktail Lakes
Human activity		Visitor inside tent when elk began to move it with its' hooves	Walking on walkway	Approaching elk
# of people		1	1	1
Distance to animal				Closer than 25 yards
Contact made?		No	No	
Extent of injury		None	None	
Human gender		Male	Female	
Human age class		Adult	Adult	
Human category		Visitor	Concession employee	
Animal sex	Male	Male		Bull elk
Animal age class	Young – 2 yrs. old			Adult
Animal behavior	Elk pulled strips from tent fly and ate ¼ of tent fly	Moved tent with its hooves as it grazed on grass beside & under tent edge	Elk came from nearby trees to chase her on paved walkway	
Animal reaction after incident	After being yelled at & hit by rocks, it left but returned later and damaged another tent. Finally left the area	Tent collapsed, elk moved away – no aggressive behavior toward people		
NPS Management action			Temporary closure of walkway after elk calf was found 15 ft. from walkway	\$50.00 fine for disturbing wildlife

ELK

Year 2004	Elk 9 No CIR in file			
Day	Information from YNP news release dated Sept. 22, 2004			
Time of day				
Location area	Terrace Grill			
Human activity	Approached elk to take pictures			
# of people	1			
Distance to animal	Within 10 ft.			
Contact made?	Yes			
Extent of injury	Cuts & bruises to head, hands & chest			
Human gender	Male			
Human age class	Adult			
Human category	Visitor			
Animal sex	Bull elk			
Animal age class	Adult			
Animal behavior	Startled elk charged & struck the man			
Animal reaction after incident				
NPS Management action	Park managers tranquillized this persistently aggressive elk & cut off its antlers			

ELK

Year 2005	Elk 1 #05-5935	Elk 2 #05-5773	Elk 3 No CIR on file	Elk 4 #05-6157
Day	267	263	289	289
Time of day	9:15 a.m.	7:00 p.m.	6:40 p.m.	2:07 p.m.
Location area	Pagoda, Mammoth	Mammoth Upper Terrace Loop road	Mammoth Hotel	Mammoth Chapel
Human activity	3 visitor vehicles, 1 NPS vehicle damaged by bull elk	Photographing elk	Approached elk too closely	Approached aggressive bull elk
# of people		1	1	3
Distance to animal			16 – 20 ft.	24 ft.
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender		Male	Male	Males
Human age class		Adult	Adult	Adults
Human category		Visitor	Visitor	Visitors
Animal sex	Bull elk	Bull elk	Bull elk & cows	Bull elk
Animal age class	Adult	Adult	Adults	Adult
Animal behavior	Very aggressive, damaging property	Struck & damaged vehicle with its antlers	Disturbed	Standing, posturing, ripping grass with antlers
Animal reaction after incident				
NPS Management action	Elk identified by “#6” ear tag, rangers sawed off antlers		Verbal warning for being at an unsafe distance from wildlife	\$75.00 fine for being too close to wildlife

ELK

Year 2005	Elk 5 #05-6124	Elk 6 #05-5699	Elk 7 #05-5708	Elk 8 #05-5542
Day	283	260	261	254
Time of day	9:10 p.m.	11:45 a.m.	12:00 noon	7:00 p.m.
Location area	Swan Lake Flat	Back Basin	Mammoth across from Terrace Grill	Backcountry incinerator service road
Human activity	Spot lighting elk	Using artificial elk cow call to attract bull elk	Approaching elk too closely	Using an artificial game call
# of people	1	1	1	1
Distance to animal				
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male	Male	Male	Male
Human age class	Adult	Adult	Adult	Adult
Human category	Visitor	Visitor	Visitor	Grant Campground employee
Animal sex				
Animal age class			Adult	
Animal behavior			Eating but alert	
Animal reaction after incident				
NPS Management action	\$125.00 fine for spot lighting wildlife	\$125.00 fine for using an artificial elk cow call	\$75.00 fine for unsafe distance from wildlife	\$100.00 fine for using artificial game call

ELK

Year 2005	Elk 9 #05-4265	Elk 10 #05-4161	Elk 11 #05-3831	Elk 12 #05-3064
Day	218	216	210	192
Time of day	7:05 p.m.	6:50 p.m.	8:39 a.m.	10:52 p.m.
Location area	Mammoth Ice House	West Thumb Geyser Basin	Mammoth Clinic	Grant Junction
Human activity	Approaching elk for photographs	Approaching elk	Approached too close to elk	Spot lighting wildlife
# of people	3	4	1	2
Distance to animal	4 – 5 ft.	10 yards	15 yards	
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Males	Males	Male	Male/female
Human age class	Adults	1 adult, 3 juveniles	Adult	Adults
Human category	Visitors	Visitors	Visitor	Visitors
Animal sex	15 cow elk		Elk cows & calves	
Animal age class	Adults	Adults	Adults & calves	
Animal behavior	Some grazing, others alert & posturing	Grazing	Grazing	
Animal reaction after incident		Disturbed & ran into the woods	Stopped grazing & charged toward visitor	
NPS Management action	\$100.00 fine for unsafe distance from wildlife	\$50.00 fine for unsafe distance from wildlife	\$50.00 fine for disturbing & unsafe distance from wildlife	\$100.00 fine for spot lighting wildlife

ELK

Year 2005	Elk 13 #05-0985	Elk 14 #05-0509	Elk 15 #05-0217	Elk 16 #05-0375
Day	113	58	21	49
Time of day	11:00 a.m.	6:00 p.m.	8:55 p.m.	5:05 p.m.
Location area	YNP boundary above Gardiner school	Blacktail Trailhead	Seven Mile picnic area, West Entrance road	Blacktail Trailhead
Human activity	Watching dog chase elk	Photographing elk	Snowmobiles approaching & passing elk	Photographing elk
# of people	1	3	28 snowmobiles	3
Distance to animal		12 yards	5 meters from elk in roadway	12 yards
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male			
Human age class	Adult	Adults		Adults
Human category	Visitor	Visitors		Visitors
Animal sex		Bull elk		Bull elk
Animal age class	Adults	Adult		Adult
Animal behavior	Running from dog chasing them		Disturbed, ran, then jumped off the road	
Animal reaction after incident				
NPS Management action	\$50.00 fine for disturbing wildlife	"Roadside Guide" given verbal warning about unsafe distance from wildlife & obstructing traffic	Discussion with tour guide about methods for passing wildlife in the road	"Roadside Guide" given verbal warning about unsafe distance from wildlife & obstructing traffic

BIGHORN SHEEP

Year 2001	#01-293			
Day	35			
Time of day	9:50 a.m.			
Location area	Lamar River/Soda Butte Creek confluence			
Human activity	Approaching & disturbing bighorn for photos			
# of people	1			
Distance to animal	10 yards			
Contact made?	No			
Extent of injury	None			
Human gender	Male			
Human age class	Adult			
Human category	Visitor			
Animal sex	2 rams			
Animal age class				
Animal behavior				
Animal reaction after incident				
NPS Management action	\$50.00 fine			



PRONGHORN

Year 2002	#02-3625		Year 2003 #03-2457	
Day	278		219	
Time of day	12:55 p.m.		3:30 p.m.	
Location area	Between North Gate & Arch		West of Lamar River bridge	
Human activity	Disturbing wildlife		Chasing pronghorns	
# of people	2 vehicles		2	
Distance to animal	10-20 ft.		Less than 25 yards	
Contact made?			No	
Extent of injury	No		None	
Human gender	None		Males	
Human age class	Adults		Juveniles	
Human category	Visitors		Visitors	
Animal sex				
Animal age class	Adults		Adults	
Animal behavior	Moved quickly away from vehicles		Ran when chased up a hill	
Animal reaction after incident				
NPS Management action	Verbal warning not to disturb wildlife		\$50.00 fine; verbal warning not to approach/disturb wildlife	



DEER

Year 2003	#03-2361			
Day	213			
Time of day	6:24 p.m.			
Location area	Near Canyon junction/Lake road			
Human activity	Taking pictures of deer			
# of people	1			
Distance to animal	5 ft.			
Contact made?	No			
Extent of injury	None			
Human gender	Male			
Human age class	Adult			
Human category	Visitor			
Animal sex				
Animal age class	Adult			
Animal behavior	Standing			
Animal reaction after incident				
NPS Management action	\$50.00 fine, verbal warning not to disturb wildlife			



MOOSE

Year 2003	#03-1504			
Day	142			
Time of day	6:00 p.m.			
Location area	Swan Lake Flat			
Human activity	Photographing moose			
# of people	2			
Distance to animal	25 ft.			
Contact made?	No			
Extent of injury	None			
Human gender	Males			
Human age class	Adults			
Human category	Visitors			
Animal sex				
Animal age class	Adult			
Animal behavior	Agitated and ran			
Animal reaction after incident				
NPS Management action	"traffic & wildlife conflict" prevented further contact with those visitors			



No WOLF Case Incidence Reports for 1999, 2000, 2001

WOLF

Year 2002	Wolf 1 #02-0643	Wolf 2 #02-0830	Wolf 3 #02-2056	Wolf 4 #02-1928
Day	53	69	187	182
Time of day	9:30 p.m.		7:00 p.m.	10:15 p.m.
Location area	Yellowstone Institute developed area	Lamar River stock trailhead	Wolf closed area across from Lamar River stock trailhead	Between Lamar River & Lamar stock trailhead
Human activity	Walking between bunkhouse & cabin	Watching & filming wolves in parking lot	Photographing wolf den	Photographing wolf inside closed area
# of people	1	6-8	1	1
Distance to animal		2 meters	About 200 yards	100 yards
Contact made?	No	No	No	No
Extent of injury	None	None	None	None
Human gender	Male	Males/females	Male	Male
Human age class	Adult	Adults	Adult	Adult
Human category	Student at YI	Visitors	Visitor	Visitor
Animal sex				
Animal age class		1 pup, 1 yearling		
Animal behavior	Walking around the area	Approached vehicles, were not afraid		Trying to cross the road
Animal reaction after incident	Left the area on Northeast entrance road	Started to leave, then stopped still curious		
NPS Management action	Ranger spoke to YI class about park's concern of wolves becoming habituated	Ranger fired 6 "cracker rounds" to get them out of the area	\$50.00 fine for being in closed area	\$50.00 fine for violating wolf closed area

WOLF

Year				
2003	#03-3114			
Day	264			
Time of day				
Location area	Lamar Valley			
Human activity	Approached & disturbed wolves			
# of people	1			
Distance to animal	100 yards			
Contact made?	No			
Extent of injury	None			
Human gender	Male			
Human age class	Adult			
Human category	Visitor			
Animal sex				
Animal age class	Pack			
Animal behavior	Agitated, barking, howling, very disturbed; bison in area also disturbed & crossed Lamar R.			
Animal reaction after incident				
NPS Management action	Arrested for harassment of wolves			

WOLF

Year 2004	Wolf 1 #04-0154	Wolf 2 #04-169	Wolf 3 #04-0255	
Day	23	25	25	
Time of day	3:00 p.m.	7:45 a.m.		
Location area	Lamar Valley near Ranger Station	Lamar River bridge pull-out	1.5 miles east of Specimen Ridge trailhead	
Human activity	People in vehicles watching wolf near a carcass	People in cars watching wolf at a carcass	Photographer taking pictures; people in vehicles watching	
# of people				
Distance to animal		15 meters	20 meters	
Contact made?	No	No	No	
Extent of injury	None	None	None	
Human gender				
Human age class				
Human category				
Animal sex	Male	Male	Male	
Animal age class	Yearling	Yearling	Adult #302	
Animal behavior	"close proximity" (on the road) to vehicles	Wolf crossed the road, did not approach vehicles	Wolf approached photographer	
Animal reaction after incident			Trotted off after ranger attempted to scare it.	
NPS Management action	Fired cracker & rubber rounds to haze wolf from carcass; carcass then dragged carcass away from road	Carcass removed from & out of sight of road; no aversive conditioning took place	Ranger yelled, clapped hands, moved aggressively toward it; verbal warning not to approach wildlife	

No WOLF Case Incident Reports for 2005



CHIPMUNK

RED FOX

Year 2000	#00-5126		#00-6555	
Day	218		352	
Time of day	6:03 p.m.		3:00 p.m.	
Location area	Gibbon Falls		Old Faithful Larkspur dorm	
Human activity	Feeding corn chips to chipmunk		Putting garbage in dumpster	
# of people	1		1	
Distance to animal				
Contact made?	No		No	
Extent of injury	None		None	
Human gender	Male		Male	
Human age class	Adult		Adult	
Human category	Visitor		AmFac employee	
Animal sex				
Animal age class			Adult	
Animal behavior	Eating corn chips given to it		Approached & hissed	
Animal reaction after incident			Ran off after ranger sprayed it. Later the same day a red fox did same thing to another person	
NPS Management action	\$50.00 fine for feeding wildlife			



SQUIRREL

Year 2002	#02-5180		Year 2003 #03-4905	
Day	243		184	
Time of day	3:39 p.m.		10:00 a.m.	
Location area	Firehole Falls		Madison Museum	
Human activity	Feeding a squirrel		Caught & playing with squirrel	
# of people	1		1	
Distance to animal				
Contact made?	No		Yes	
Extent of injury	None		None	
Human gender	Male		Male	
Human age class	Adult		Juvenile	
Human category	Visitor		Visitor	
Animal sex				
Animal age class				
Animal behavior	Eating a nut tossed to it		Squirrel attached to fishing line, line was let out then reeled back in	
Animal reaction after incident				
NPS Management action	\$50.00 fine; verbal warning not to feed wildlife		\$50.00 fine; verbal warning not to disturb wildlife	



PROCUPINE

Year				
2005	#05-1984			
Day	161			
Time of day	6:40 p.m.			
Location area	Cascade Hill			
Human activity	Hitting a brush pile trying to make porcupine run			
# of people	1			
Distance to animal	Within 5 ft.			
Contact made?	No			
Extent of injury	None			
Human gender	Male			
Human age class	Adult			
Human category	Visitor			
Animal sex				
Animal age class				
Animal behavior	Remained in brush pile			
Animal reaction after incident				
NPS Management action	\$50.00 fine for harassing wildlife			



OWL

Year				
2005	#05-2103			
Day	167			
Time of day	8:00 p.m.			
Location area	Pebble Creek campground meadow			
Human activity	Photographing owl			
# of people	1			
Distance to animal				
Contact made?	No			
Extent of injury	None			
Human gender	Male			
Human age class	Adult			
Human category	Visitor			
Animal sex				
Animal age class				
Animal behavior	Disturbed & flew from photographer several times			
Animal reaction after incident				
NPS Management action	\$50.00 for disturbing wildlife			



RAVEN

Year 2001	#01-4177			
Day	299			
Time of day	12:30 p.m.			
Location area	Mammoth Terraces lower picnic area			
Human activity	Feeding raven			
# of people	3			
Distance to animal				
Contact made?	No			
Extent of injury	None			
Human gender				
Human age class	Adults			
Human category	Visitors			
Animal sex				
Animal age class				
Animal behavior	Eating food tossed to it			
Animal reaction after incident				
NPS Management action	Verbal warning not to feed wildlife			

RAVEN

Year 2002	Raven 1 #02-6997	Raven 2 #02-6996	Raven 3 #02-6995	
Day	289	289	289	
Time of day	12:15 p.m.	11:49 a.m.	11:24 a.m.	
Location area	Steamboat Point	Steamboat Point	Steamboat Point	
Human activity	Feeding raven	Feeding raven	Feeding raven	
# of people	1	1	1	
Distance to animal				
Contact made?	No	No	No	
Extent of injury	None	None	None	
Human gender	Male	Female	Female	
Human age class	Adult	Adult	Adult	
Human category	Visitor	Visitor	Visitor	
Animal sex				
Animal age class	Adult	Adult	Adult	
Animal behavior	Eating banana pieces tossed to it	Eating pieces of bread tossed to it	Eating sunflower seeds tossed to it	
Animal reaction after incident				
NPS Management action	\$50.00 fine for feeding wildlife	\$50.00 fine for feeding wildlife	\$50.00 fine for feeding wildlife	

RAVEN

Year 2003	Raven 1 #03-5915	Raven 2 #03-7045		
Day	281	196		
Time of day		12:46 p.m.		
Location area	Old Faithful	Sylvan Pass		
Human activity	Reported damage to his snowmobile	Feeding raven		
# of people	1	1		
Distance to animal				
Contact made?	No	No		
Extent of injury	None	None		
Human gender	Male	Male		
Human age class	Adult	adult		
Human category	Visitor	Visitor		
Animal sex				
Animal age class				
Animal behavior	Damaged the foam padded seat	Eating food tossed to it		
Animal reaction after incident				
NPS Management action	Ranger told visitor this is common raven behavior	\$50.00 fine for feeding wildlife		

No RAVEN Case Incident Reports for 2004

RAVEN

Year 2005	Raven 1 #05-3514	Raven 2 #05-3994	Raven 3 #05-4290	
Day	204	213	219	
Time of day	11:30 a.m.	1:00 p.m.	3:40 p.m.	
Location area	Sylvan Pass	Sylvan Pass	Sylvan Pass	
Human activity	Feeding a raven	Feeding a raven pretzels	Feeding raven	
# of people	1	1	1	
Distance to animal				
Contact made?	No	No	No	
Extent of injury	None	None	None	
Human gender	Female	Female	Female	
Human age class	Adult	Adult	Adult	
Human category	Visitor	Visitor	Visitor	
Animal sex				
Animal age class				
Animal behavior	Eating bread tossed to it	Eating pretzels tossed to it	Eating crackers tossed to it	
Animal reaction after incident				
NPS Management action	\$50.00 fine for feeding wildlife	\$50.00 fine for feeding wildlife	Citation given for feeding wildlife	

TRUMPETER SWAN

Year 2002	#02-3049			
Day	237			
Time of day	11:20 a.m.			
Location area	Pond near Specimen Ridge trailhead			
Human activity	Throwing rocks at 2 swans			
# of people	1			
Distance to animal	30 ft.			
Contact made?	No			
Extent of injury	None			
Human gender	Male			
Human age class	Adult			
Human category	Visitor			
Animal sex				
Animal age class				
Animal behavior	Flapping wings & moving away from rock thrower			
Animal reaction after incident				
NPS Management action	\$50.00 fine for disturbing wildlife			



Day Numbers

Use the table below to determine the day number for a given date in a non-leap year.
For Leap years, use the Leap Day Numbers table.

day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1	32	60	91	121	152	182	213	244	274	305	335
2	2	33	61	92	122	153	183	214	245	275	306	336
3	3	34	62	93	123	154	184	215	246	276	307	337
4	4	35	63	94	124	155	185	216	247	277	308	338
5	5	36	64	95	125	156	186	217	248	278	309	339
6	6	37	65	96	126	157	187	218	249	279	310	340
7	7	38	66	97	127	158	188	219	250	280	311	341
8	8	39	67	98	128	159	189	220	251	281	312	342
9	9	40	68	99	129	160	190	221	252	282	313	343
10	10	41	69	100	130	161	191	222	253	283	314	344
11	11	42	70	101	131	162	192	223	254	284	315	345
12	12	43	71	102	132	163	193	224	255	285	316	346
13	13	44	72	103	133	164	194	225	256	286	317	347
14	14	45	73	104	134	165	195	226	257	287	318	348
15	15	46	74	105	135	166	196	227	258	288	319	349
16	16	47	75	106	136	167	197	228	259	289	320	350
17	17	48	76	107	137	168	198	229	260	290	321	351
18	18	49	77	108	138	169	199	230	261	291	322	352
19	19	50	78	109	139	170	200	231	262	292	323	353
20	20	51	79	110	140	171	201	232	263	293	324	354
21	21	52	80	111	141	172	202	233	264	294	325	355
22	22	53	81	112	142	173	203	234	265	295	326	356
23	23	54	82	113	143	174	204	235	266	296	327	357
24	24	55	83	114	144	175	205	236	267	297	328	358
25	25	56	84	115	145	176	206	237	268	298	329	359
26	26	57	85	116	146	177	207	238	269	299	330	360
27	27	58	86	117	147	178	208	239	270	300	331	361
28	28	59	87	118	148	179	209	240	271	301	332	362
29	29		88	119	149	180	210	241	272	302	333	363
30	30		89	120	150	181	211	242	273	303	334	364
31	31		90		151		212	243		304		365
day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Leap Day Numbers

day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1	32	61	92	122	153	183	214	245	275	306	336
2	2	33	62	93	123	154	184	215	246	276	307	337
3	3	34	63	94	124	155	185	216	247	277	308	338
4	4	35	64	95	125	156	186	217	248	278	309	339
5	5	36	65	96	126	157	187	218	249	279	310	340
6	6	37	66	97	127	158	188	219	250	280	311	341
7	7	38	67	98	128	159	189	220	251	281	312	342
8	8	39	68	99	129	160	190	221	252	282	313	343
9	9	40	69	100	130	161	191	222	253	283	314	344
10	10	41	70	101	131	162	192	223	254	284	315	345
11	11	42	71	102	132	163	193	224	255	285	316	346
12	12	43	72	103	133	164	194	225	256	286	317	347
13	13	44	73	104	134	165	195	226	257	287	318	348
14	14	45	74	105	135	166	196	227	258	288	319	349
15	15	46	75	106	136	167	197	228	259	289	320	350
16	16	47	76	107	137	168	198	229	260	290	321	351
17	17	48	77	108	138	169	199	230	261	291	322	352
18	18	49	78	109	139	170	200	231	262	292	323	353
19	19	50	79	110	140	171	201	232	263	293	324	354
20	20	51	80	111	141	172	202	233	264	294	325	355
21	21	52	81	112	142	173	203	234	265	295	326	356
22	22	53	82	113	143	174	204	235	266	296	327	357
23	23	54	83	114	144	175	205	236	267	297	328	358
24	24	55	84	115	145	176	206	237	268	298	329	359
25	25	56	85	116	146	177	207	238	269	299	330	360
26	26	57	86	117	147	178	208	239	270	300	331	361
27	27	58	87	118	148	179	209	240	271	301	332	362
28	28	59	88	119	149	180	210	241	272	302	333	363
29	29	60	89	120	150	181	211	242	273	303	334	364
30	30		90	121	151	182	212	243	274	304	335	365
31	31		91		152		213	244		305		366
day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Example: August 1 is the 214th day of a Leap year.

USE FOR:

1956

1960

1964

1968

1972

1976

1980

1984

1988

1992

1996

2000

2004





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